(d) a collection container within the enclosure that receives a cell mixture from the multiple trays for harvesting; and

(e) an automation controller that monitors time, media composition and gases and that controls movement of the ~~metal~~ trays,

wherein the automation controller fills the multiple trays with the water solution, maintains the pH, tilts the multiple trays, and transfers cells to the collection container.

7. ~~21~~. An automated cell processor as described in claim ~~20~~, wherein said trays are comprised of metal.

8. ~~22~~. An automated cell processor as described in claim ~~21~~, wherein said metal is stainless steel.

9. ~~23~~. An automated cell processor as described in claim ~~20~~, wherein said water solution enters one end of each tray and waste fluid exits the opposite end of each tray.

10. ~~24~~. An automated cell processor as described in claim ~~20~~, wherein each flow duct levels the solution between adjacent culture plates.

11. ~~25~~. An automated cell processor as described in claim ~~20~~, wherein a surface of each tray is sterilized.

12. ~~26~~. An automated cell processor as described in claim ~~20~~, wherein said mammalian cells are myoblast cells.

13. ~~27~~. An automated cell processor as described in claim ~~20~~, wherein said water solution is dispensed to the trays by jets.

1. ~~28~~. An automated cell processor for producing mammalian cells comprising:

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(a) a sterile enclosure having controlled gas, temperature and humidity and

(b) multiple trays stacked parallel to each other within the enclosure, each tray comprising multiple culture plates that contain a water solution and each plate in fluid contact with adjacent plates by one or more flow ducts,

wherein a fluid is automatically dispensed into the trays and waste fluid is removed from the trays by tilting the trays.

2. ~~29~~. An automated cell processor as described in claim ~~28~~, wherein said trays are comprised of metal.

3. ~~30~~. An automated cell processor as described in claim ~~29~~, wherein said metal is stainless steel.

4. ~~31~~. An automated cell processor as described in claim ~~28~~, wherein said fluid enters one end of each tray and said waste fluid exits the opposite end of each tray.

5. ~~32~~. An automated cell processor as described in claim ~~28~~, wherein one or more of said flow ducts levels said water solution between adjacent culture plates.--